

Converting Colors

CIELCh(49, 39.521, 157.370)

Have a look what the booklet for
CIELCh(49, 39.521, 157.370)
contains.

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Color

CIELCh(49, 39.523, 157.295)

Conversions

Conversions Part 1

Format	Color
Hex	2B8359
RGB	43, 131, 89
RGB Percent	17%, 51%, 35%
CMY	0.8295, 0.4847, 0.6495
CMYK	0.67, 0.00, 0.32, 0.48
HSL	151°, 50%, 34%
HSV	151°, 67%, 52%
XYZ	11.0068, 17.5941, 12.3504
YIQ	99.9000, -38.9660, -31.7180

Conversions

Conversions Part 2

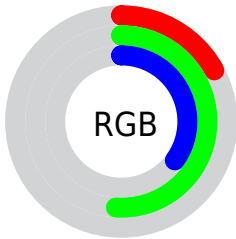
Format	Color
RYB	43, 101, 131
Decimal	2851673
CIELab	49.00, -36.46, 15.26
CIElCh	49, 39.523, 157.295
Yxy	17.5941, 0.2688, 0.4296
Android (android.graphics.Color)	4281041753 (0xFF2B8359)
YUV	99.9000, -5.3737, -49.9013
Hunter-Lab	41.9453, -26.5644, 11.9044

Details

The CIELCh color **49, 39.523, 157.295** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **32, 42.077, 353.032**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 39.783, 157.166**, and **30, 35.921, 152.936** is the 20% darker color. If you saturate the color by 10%, you get **49, 44.036, 155.572**, and if you desaturate by 10%, it is **50, 34.482, 158.827**.

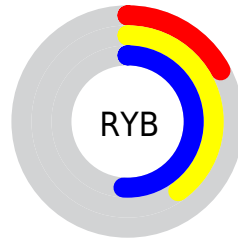
Distribution



Red (17%)

Green (51%)

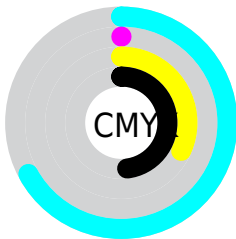
Blue (35%)



Red (17%)

Yellow (40%)

Blue (51%)

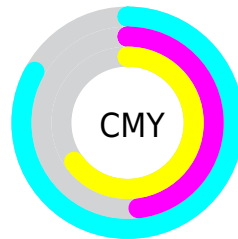


Cyan (67%)

Magenta (0%)

Yellow (32%)

Black (48%)



Cyan (83%)


Magenta (48%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 39.523, 157.295 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 39.523, 157.295 by changing the saturation by 10% instead.


 49, 39.523,
157.295


 49, 39.523,
157.295


 100, 39.523,
157.295


 39, 39.523,
157.295

 69, 39.523,
157.295


 29, 39.523,
157.295

 79, 39.523,
157.295

 19, 39.523,
157.295

 89, 39.523,
157.295

 9, 39.523, 157.295

 99, 39.523,
157.295

 0, 39.523, 157.295

 49, 39.523,

 49, 39.523,

157.295

■ 49, 44.036,
155.572

■ 48, 47.980,
153.649

■ 48, 51.415,
151.588

■ 48, 52.449,
150.989

157.295

■ 50, 34.482,
158.827

■ 50, 28.987,
160.185

■ 51, 23.133,
161.393

■ 52, 17.020,
162.473

■ 53, 10.744,
163.448

■ 54, 4.392, 164.362

■ 55, 1.965, 344.934

■ 57, 8.271, 345.782

■ 58, 14.481,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 39.523, 157.295



32, 42.077, 353.032

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 39.523, 157.295



49, 39.523, 207.295



49, 39.523, 337.295



49, 39.523, 27.295

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 39.523, 157.295



67, 15.728, 163.113



50, 51.512, 126.925



35, 10.803, 162.879



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 39.523, 157.295



62, 55.789, 154.652



50, 25.954, 198.742



27, 3.612, 164.158



47, 52.030, 151.014



1, 0.866, 164.858

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32, 42.077, 353.032



39, 58.163, 356.623



32, 42.596, 29.570



26, 3.660, 345.548



27, 51.371, 2.659



0, 0.867, 344.848

Previews

White Background



This preview shows how the CIELCh color 49, 39.523, 157.295 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 39.523, 157.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 39.523, 157.295

Background



This preview shows how black text looks on a background with the CIELCh color 49, 39.523, 157.295.



This preview shows how white text looks on a background with the CIELCh color 49, 39.523, 157.295.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49, 39.523, 157.295

Protanopia

49, 20.184, 95.940

Deuteranopia

49, 14.333, 63.765



Tritanopia
49, 21.263, 213.612

Trichromacy



Original Color
49, 39.523, 157.295

Protanomaly
48, 24.391, 135.254

Deuteranomaly
48, 16.865, 133.321

Tritanomaly
49, 25.079, 184.545

Monochromacy



Original Color
49, 39.523, 157.295

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 15.744, 162.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 39.523, 157.295 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(43, 131, 89)` looks like.

```
.text, #text, p{  
    color:rgb(43, 131, 89)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(43, 131, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 131, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 39.523, 157.295 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(43, 131, 89) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(43, 131, 89) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(43, 131, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 131, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 131, 89);  
box-shadow:4px 4px 4px 4px rgb(43, 131,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 39.523, 157.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 131, 89) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(43, 131,  
89) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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